20TED-45/4005

FIGURE 1

20040704574004

FIGURE 2

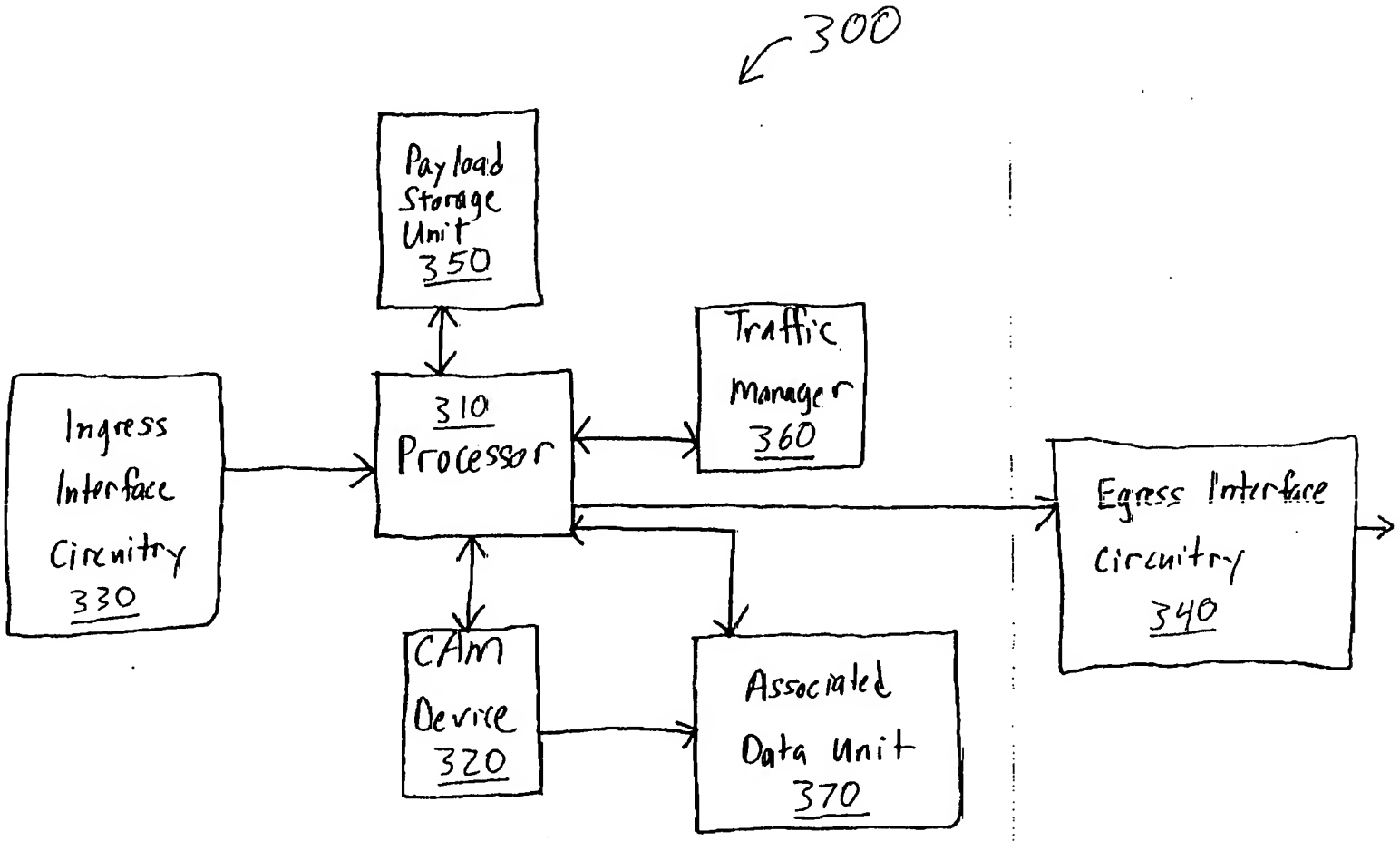
300
Payload Storage Unit 350
Traffic Manager 360
Ingress Interface Circuitry 330
310 Processor
Egress Interface Circuitry 340
CAM Device 320
Associated Data Unit 370

FIGURE 3

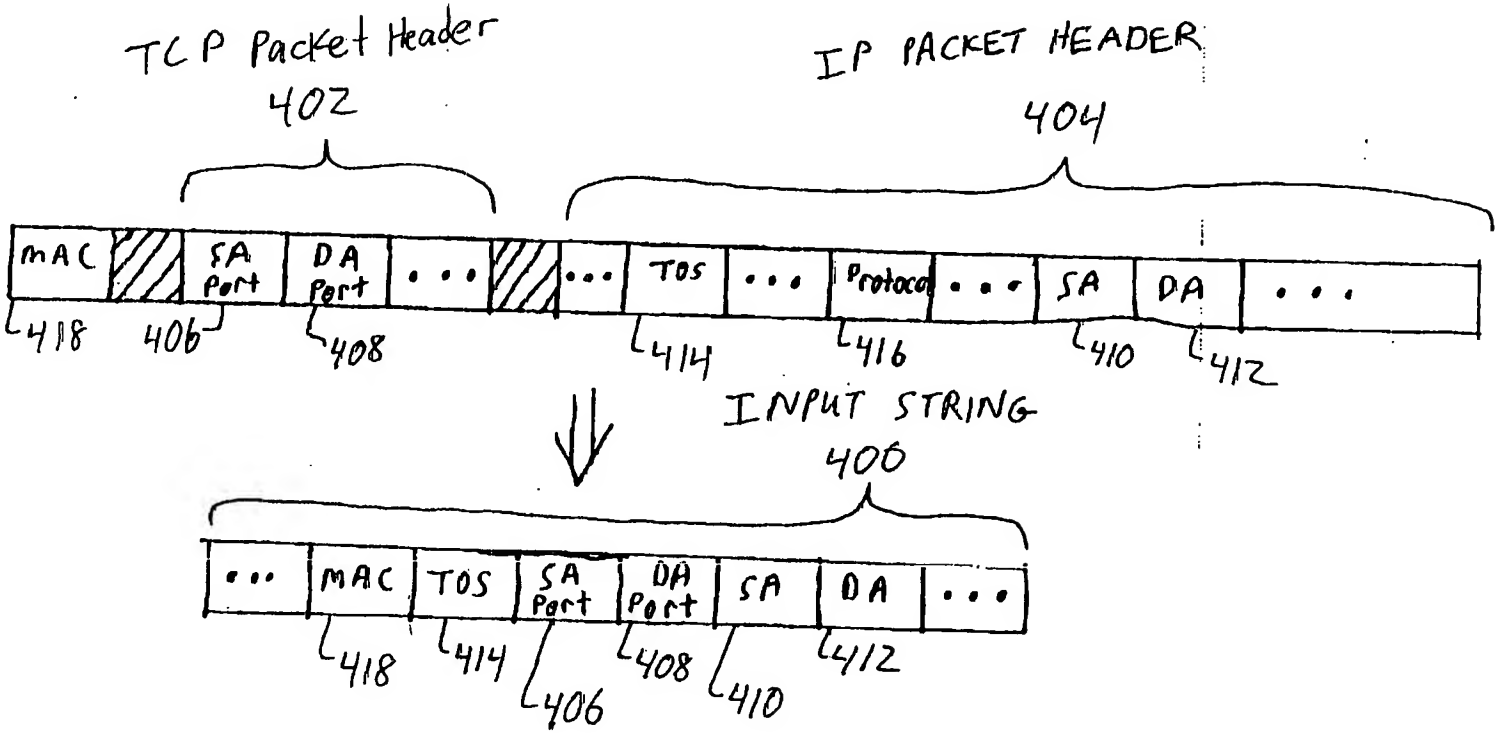
TCP Packet Header
402
IP PACKET HEADER
404
MAC
SA Port
DA Port
TOS
Protocol
SA
DA
418
406
408
414
416
410
412
INPUT STRING
400
MAC
TOS
SA Port
DA Port
SA
DA
418
414
406
408
410
412

FIGURE 4

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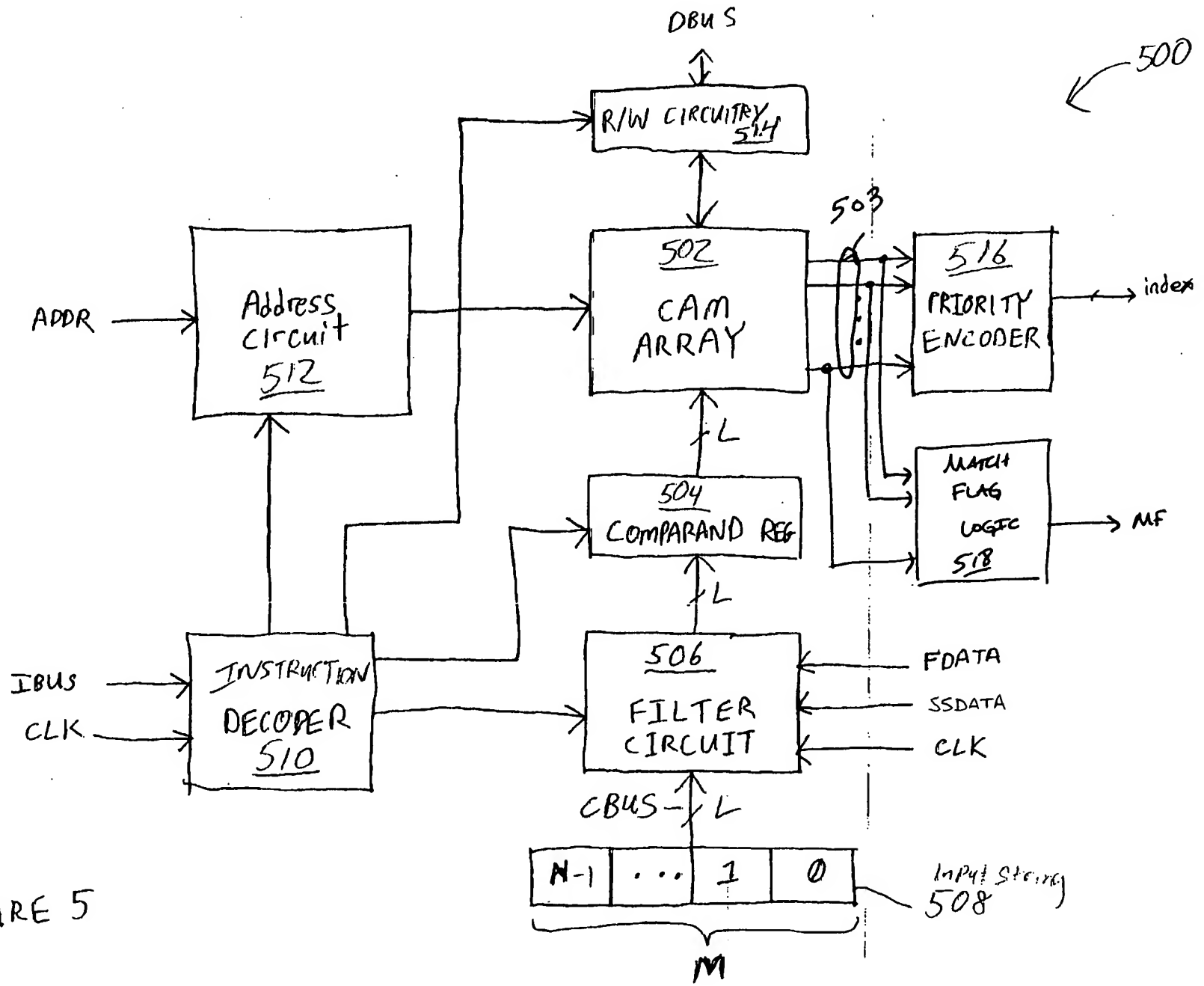

FIGURE 5

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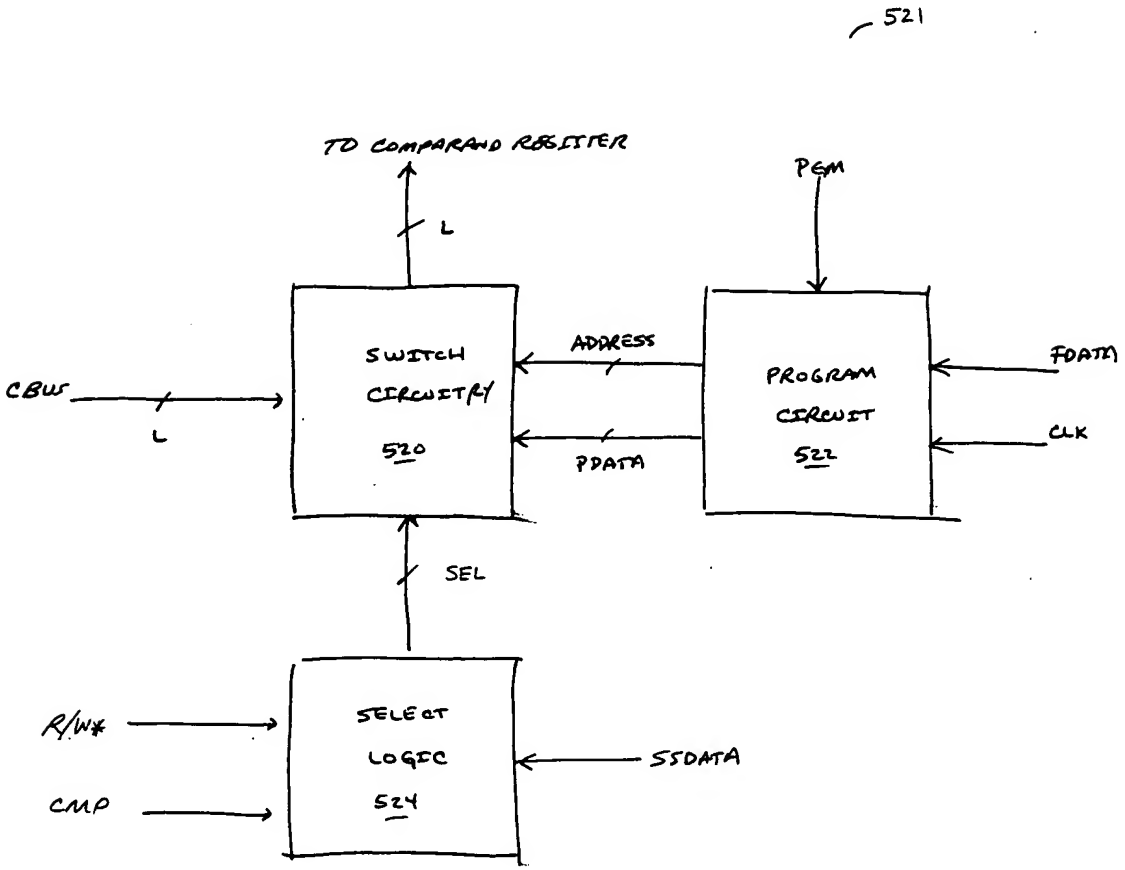

FIGURE 6

20nTO"+SZ4nOOT

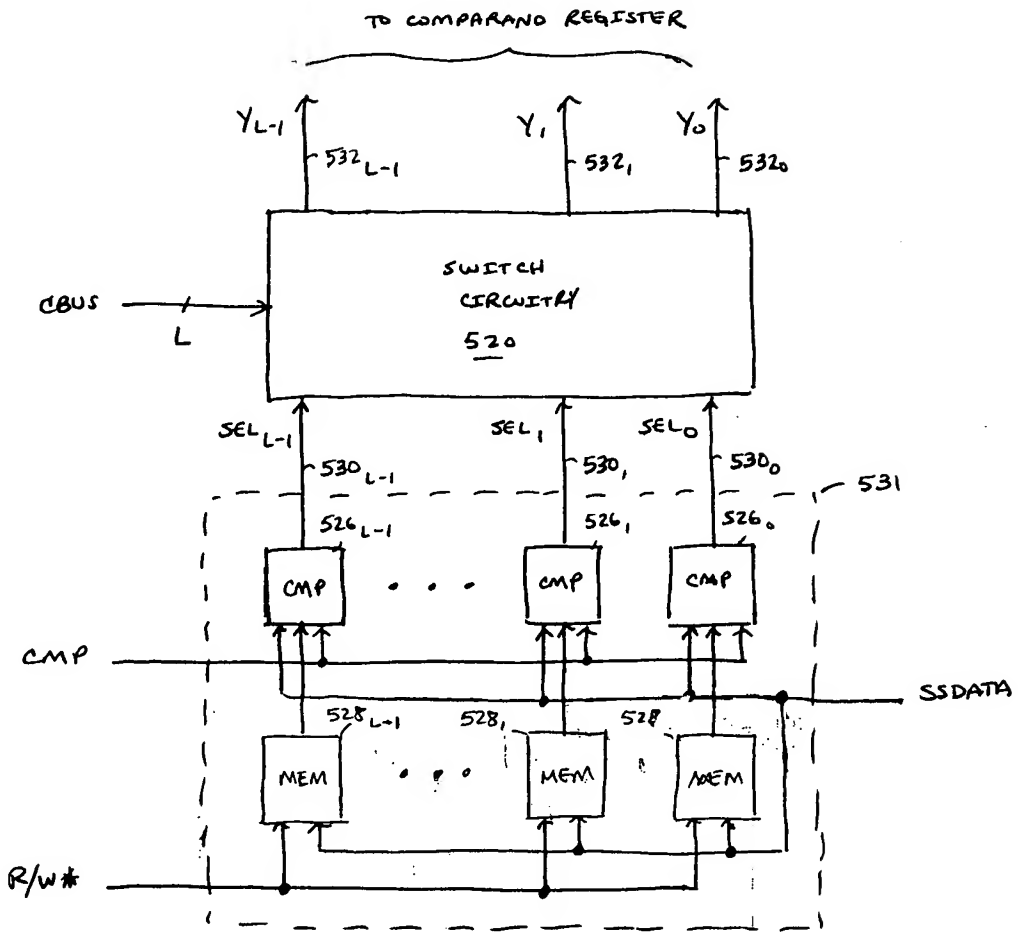

FIGURE 7

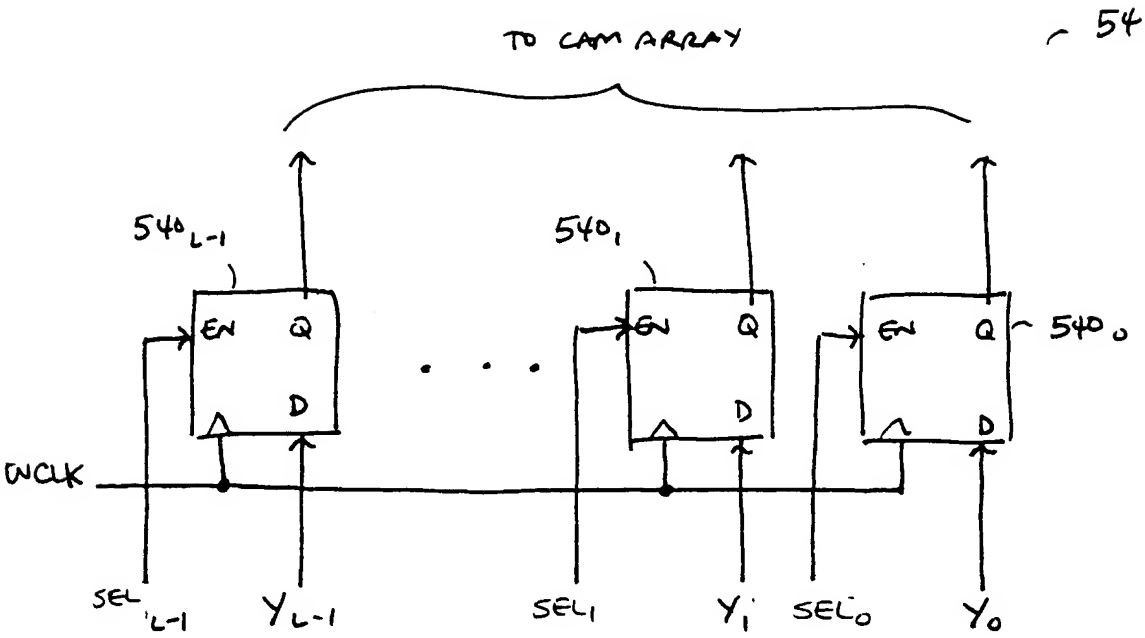

FIGURE 8

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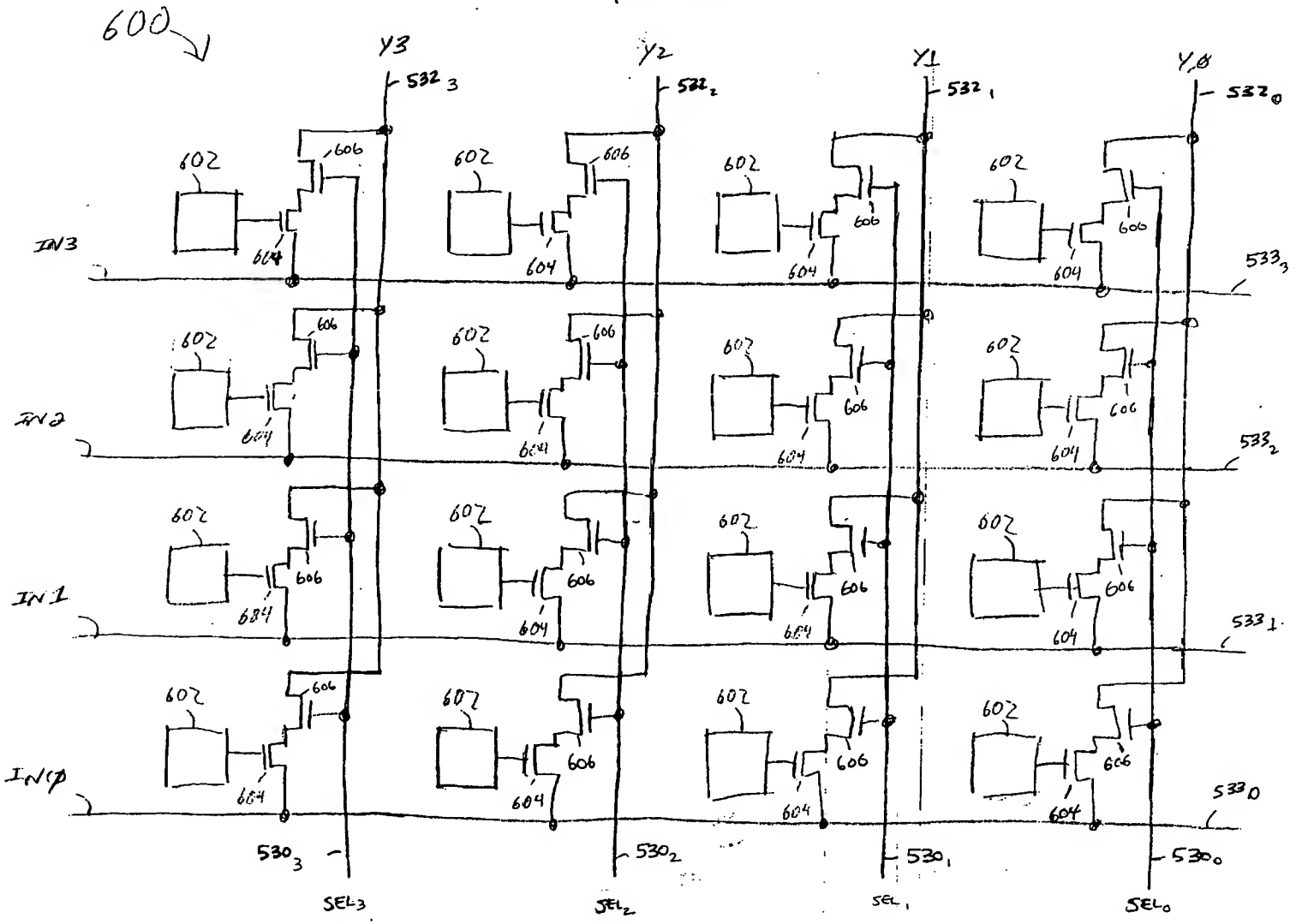
FIGURE 9


600
Y3
Y2
Y1
Y0
532_3
532_2
532_1
532_0
602
604
606
IN3
IN2
IN1
IN0
533_3
533_2
533_1
533_0
530_3
530_2
530_1
530_0
SEL_3
SEL_2
SEL_1
SEL_0

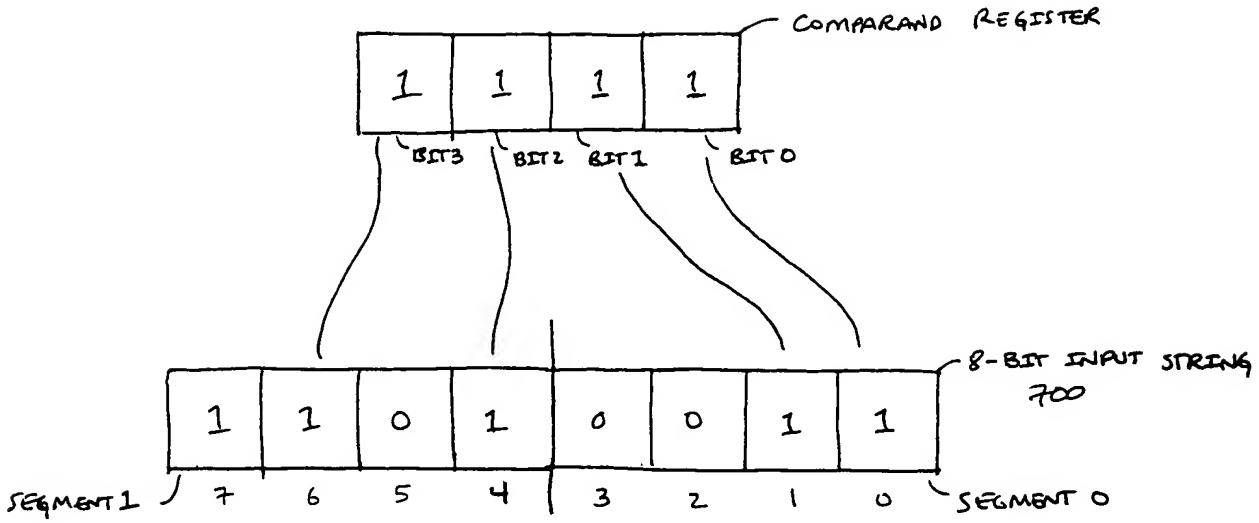


FIGURE 10

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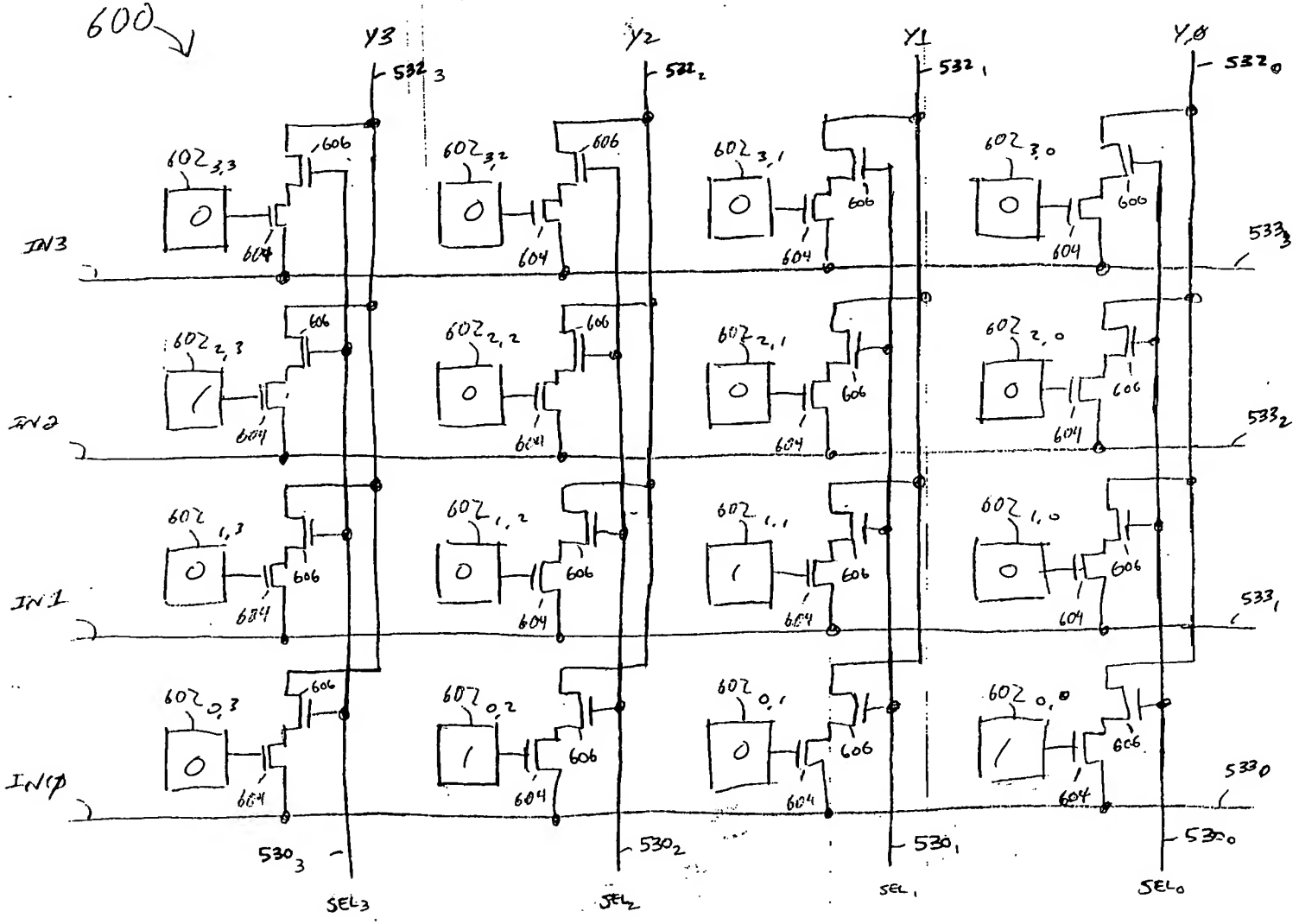
FIGURE 11


600
Y3
Y2
Y1
Y0
532 3
532 2
532 1
532 0
IN3
IN2
IN1
IN0
533 3
533 2
533 1
533 0
530 3
530 2
530 1
530 0
SEL3
SEL2
SEL1
SEL0
602 3,3
602 3,2
602 3,1
602 3,0
602 2,3
602 2,2
602 2,1
602 2,0
602 1,3
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604
606

Docket: 5454.0040

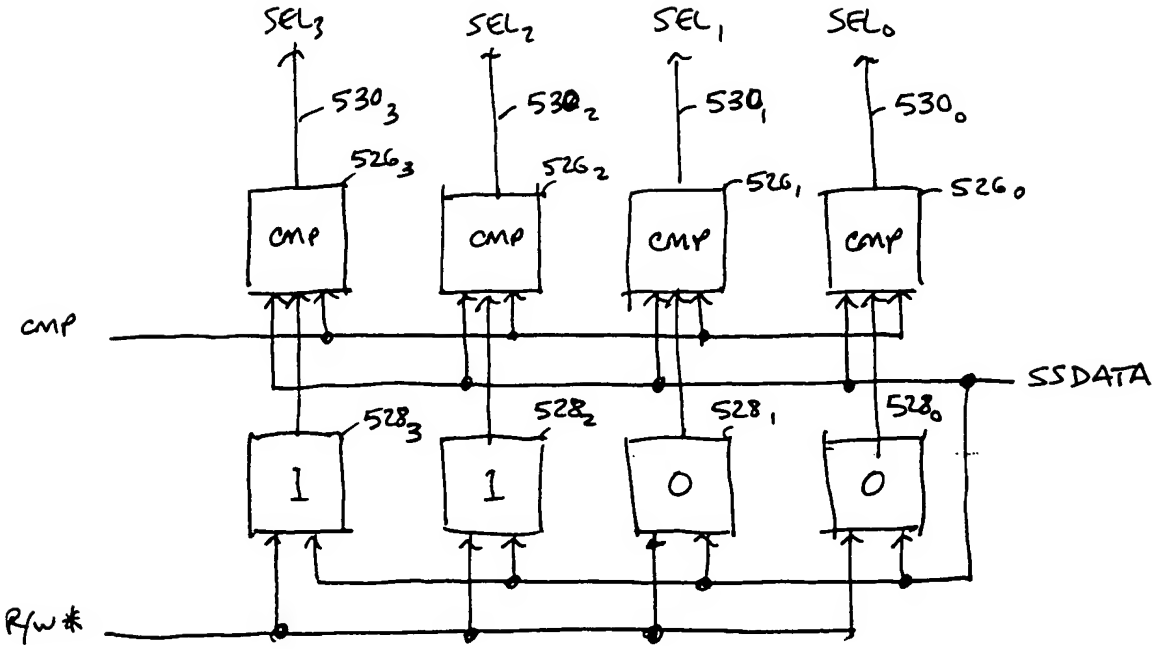

FIGURE 12

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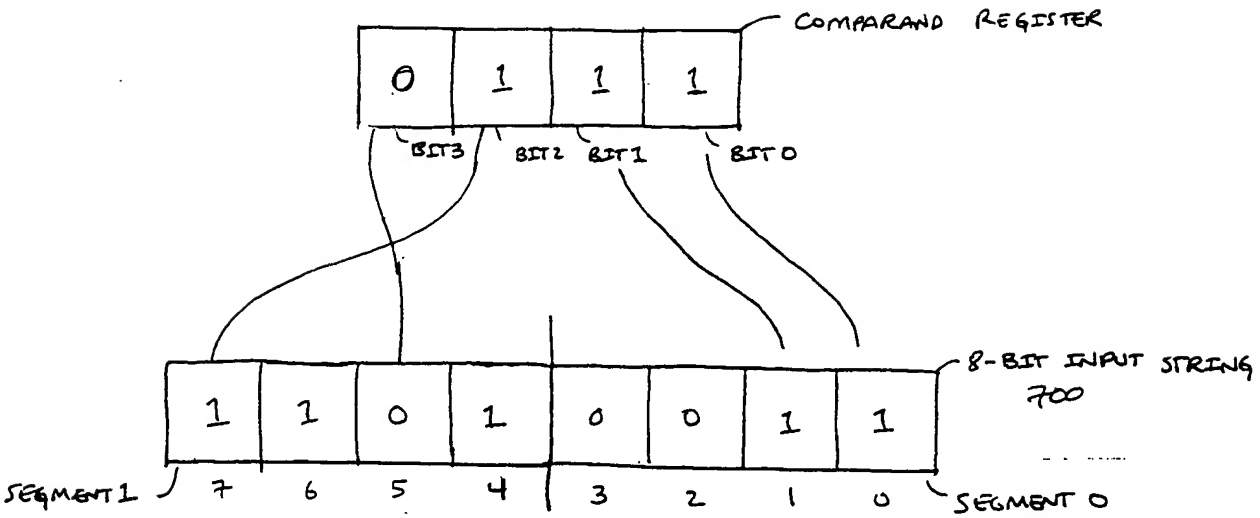
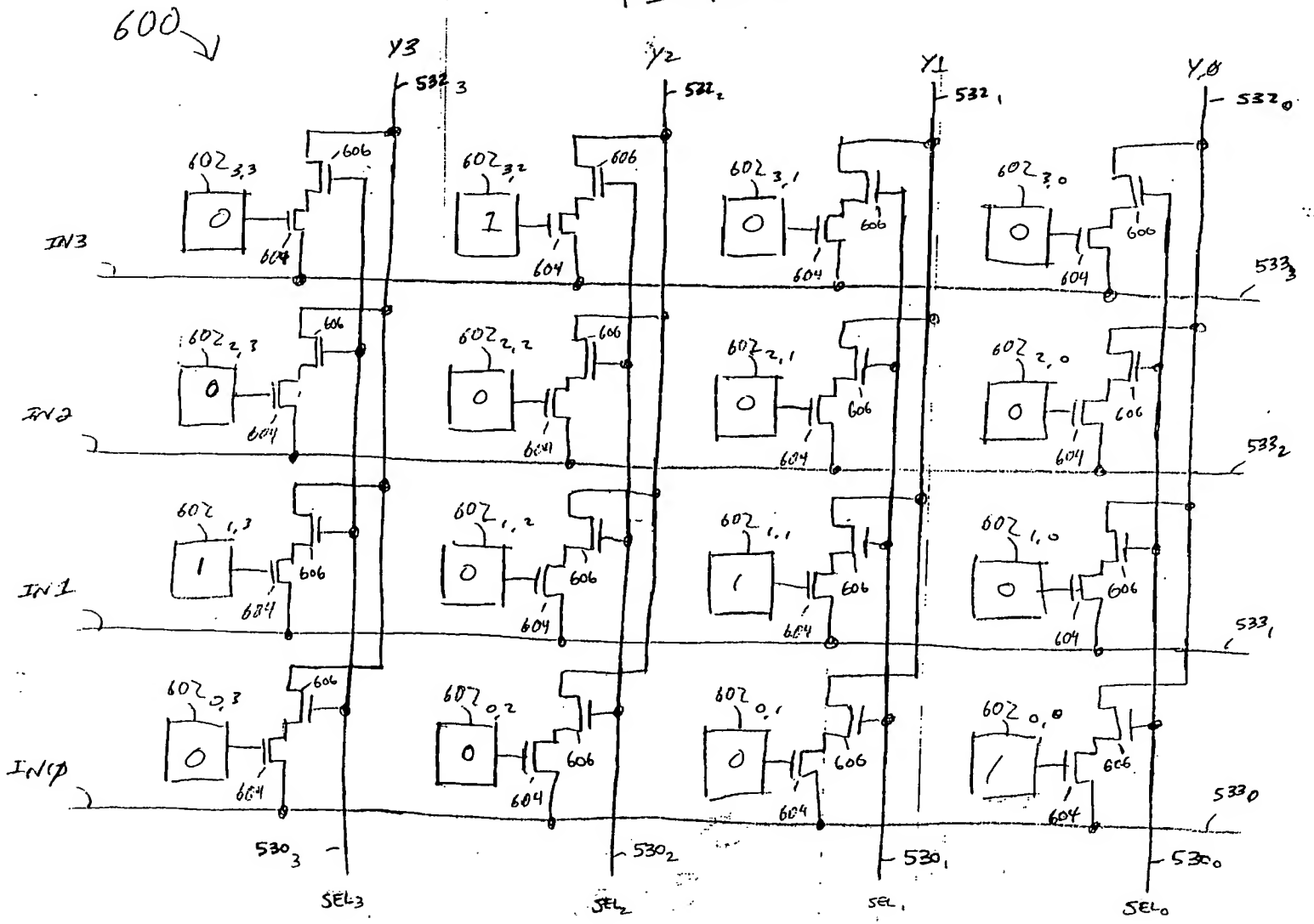


FIGURE 13

FIGURE 14



20th TFO "hs27h00t

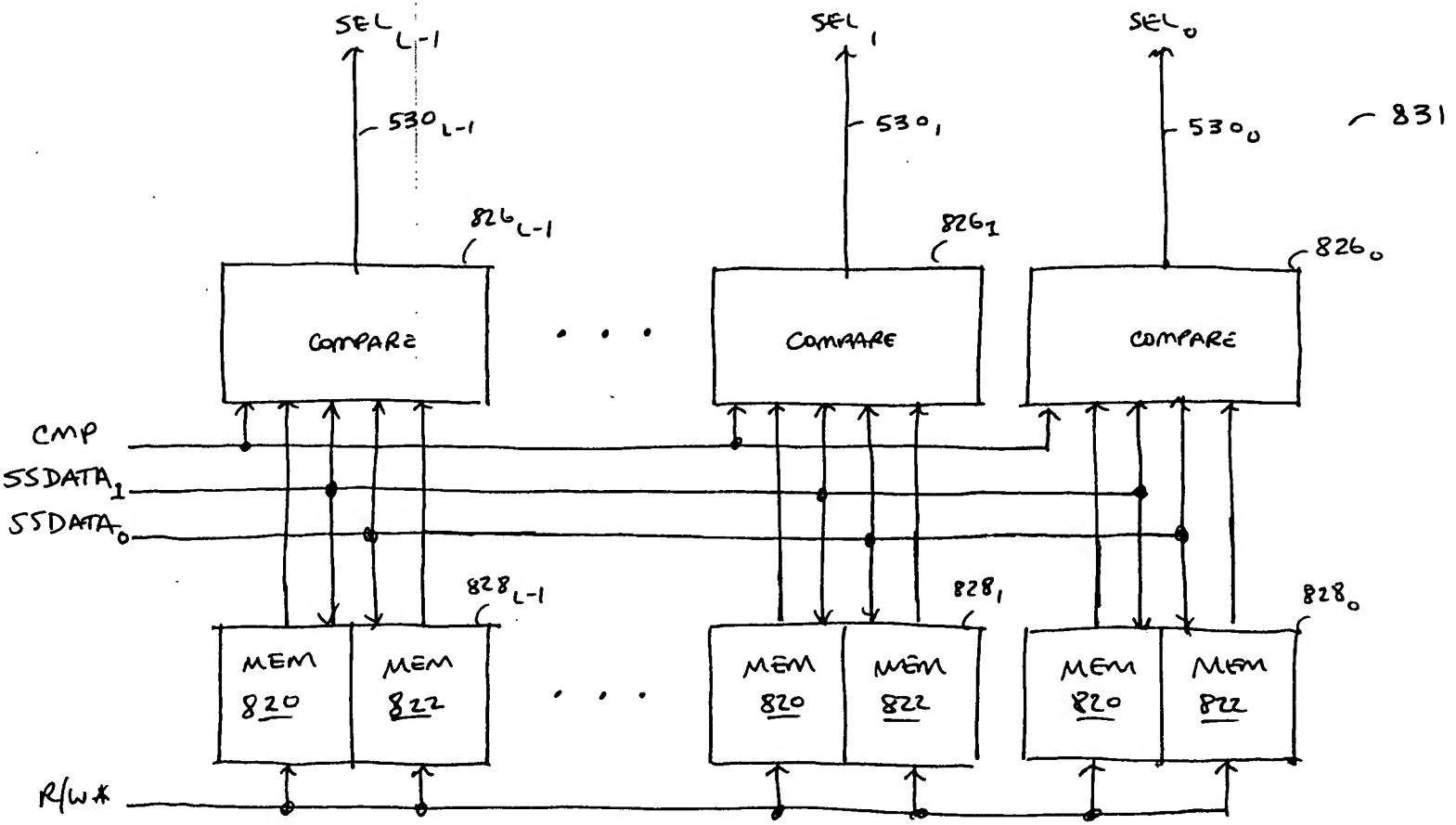


FIGURE 15

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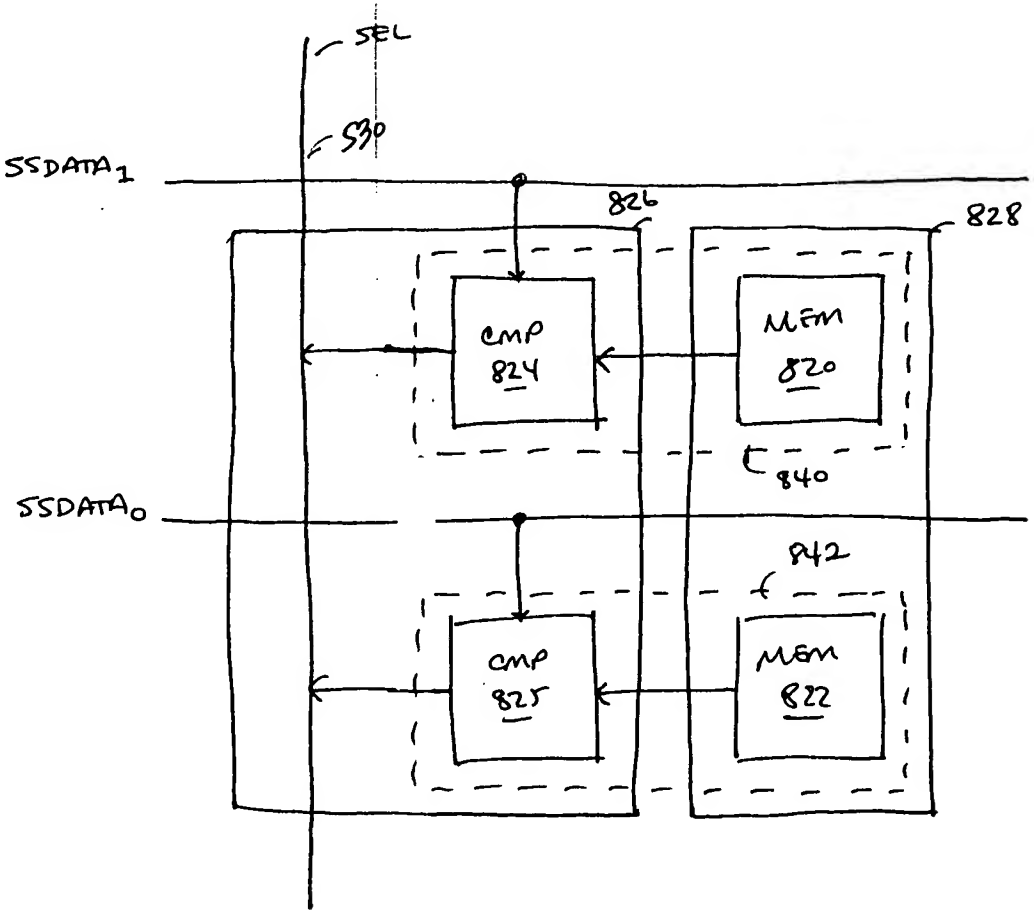

FIGURE 16

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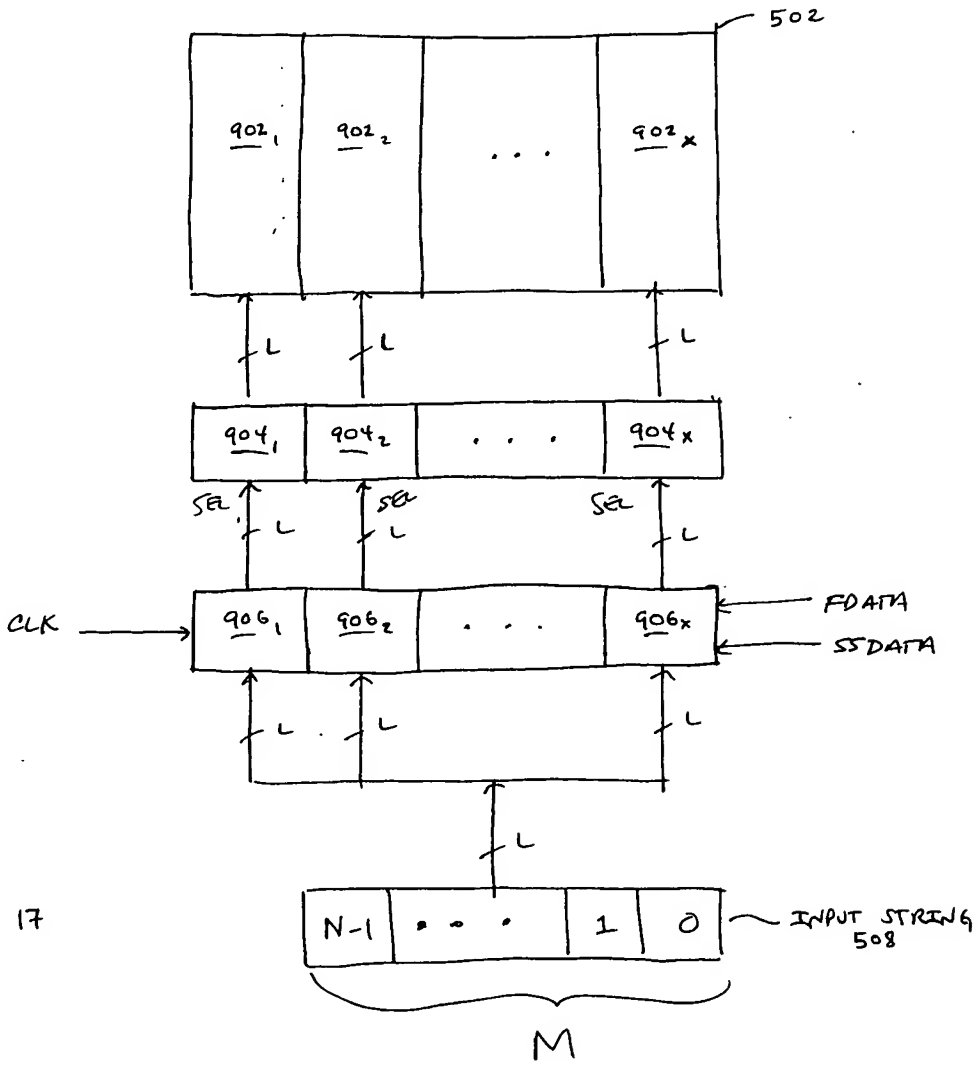

FIGURE 17